

What is claimed is:

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1. A method of reversing a communication path between a first volume on a first storage device and a second volume on a second storage device, comprising:

- 5 suspending communication between the first and second volumes while  
maintaining operations for other volumes of the storage devices;  
causing the first volume to change from a source volume to a destination volume without destroying the first volume;  
causing the second volume to change from a destination volume to a source  
10 volume without destroying the second volume; and  
resuming communication between the first and second volumes.

2. A method, according to claim 1, wherein causing the first volume to change from a source volume to a destination volume includes modifying a table of the first storage device

15 3. A method, according to claim 2, wherein causing the second volume to change from a source volume to a destination volume includes modifying a table of the second storage device.

4. A method, according to claim 1, wherein suspending communication includes setting the first volume to a not ready state.

5. A method, according to claim 4, wherein resuming communication includes setting the second volume to a ready state.

6. A method, according to claim 1, further comprising:

returning a result indicating successfully reversing the communication path.

5 7. A method of managing volumes on storage devices, comprising:

receiving a command requesting reversal of a communication path between a first volume on a first storage device and a second volume on a second storage device;

suspending communication between the first and second volumes while maintaining operations for other volumes of the storage devices;

10 causing the first volume to change from a source volume to a destination volume without destroying the first volume;

causing the second volume to change from a destination volume to a source volume without destroying the second volume; and

resuming communication between the first and second volumes.

15 8. A method, according to claim 7, wherein the command is a single multihop, multiexecute command that causes operations to be performed on the first and second storage devices.

9. A method, according to claim 7, wherein causing the first volume to change from a source volume to a destination volume includes modifying a table of the first storage  
20 device.

10. A method, according to claim 9, wherein causing the second volume to change from a source volume to a destination volume includes modifying a table of the second storage device.

5 11. A method, according to claim 7, wherein suspending communication includes setting the first volume to a not ready state.

12. A method, according to claim 11, wherein resuming communication includes setting the second volume to a ready state.

13. A method, according to claim 7, further comprising:

returning a result indicating successfully reversing the communication path.

10 14. A computer program product that reverses a communication path between a first volume on a first storage device and a second volume on a second storage device, comprising:

executable code that suspends communication between the first and second volumes while maintaining operations for other volumes of the storage devices;

15 executable code that causes the first volume to change from a source volume to a destination volume without destroying the first volume;

executable code that causes the second volume to change from a destination volume to a source volume without destroying the second volume; and

20 executable code that resumes communication between the first and second volumes.

15. A computer program product, according to claim 14, wherein executable code that causes the first volume to change from a source volume to a destination volume modifies a table of the first storage device

5 16. A computer program product, according to claim 15, wherein executable code that causes the second volume to change from a source volume to a destination volume modifies a table of the second storage device.

17. A computer program product, according to claim 14, wherein executable code that suspends communication sets the first volume to a not ready state.

10 18. A computer program product, according to claim 17, wherein executable code that resumes communication sets the second volume to a ready state.

19. A computer program product, according to claim 14, further comprising:  
executable code that returns a result indicating successfully reversing the  
communication path.